

TITLE

FUNCTIONALIZED NANOPARTICLES

ABSTRACT

A functionalized nanoparticle is provided. The nanoparticle is
5 comprised of a nanoparticle coated with a monolayer to which a
bifunctional peptide is attached. The peptide is functionalized to bind
various biopolymers including DNA and RNA. The functionalized
nanoparticle is useful in the capture of biopolymers and for the
programmed assembly of nanometer scale electronic devices.

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SNF/dmm